



FIG. 5

Minor Geometry Tables

500

Address Table

addr_id	address	street_id	city	state	zipcode	PT<x,y>
1	123 High House Rd	123	Apex	NC	27502	<35.9,78.2>
2	123 Hudson Rd	456	Raleigh	NC	28971	<34.567,78.3>
3	123 Davis Dr	789	Cary	NC	27676	<45.789,78.9>

530

Street Table

street_id	start_Pt	name	envelope	linestring	Point_ZM
123	<35.8,67.9>	High House Rd	(bounding box)	constructed when address inserted into table	<1,3,1,100> x=state_id y=city_id z=zip_id M=density point
456	<35.67,67.85>	Hudson Rd	b.b		<1,1,5,1>
789	<35.77,67.99>	Davis Dr	b.b		<1,2,6,1>

560

Intersection Table

inter_id	street_id	intersect_id (stored as text string)	intersect_pt (multiple pts)
1	123	456	<35.66,78.92>
2	456	123,789	<35.66,78.92> <36.88,78.92>
3	789	456	<36.88,78.92>



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